AMENDMENTS TO THE SPECIFICATION

Please replace paragraph [0096] with the following amended paragraph:

[0096]   As in the case of the Neighbor block 530, both Path blocks 535 and 550 each have Dependent block pointers 542 and 557 respectively, and a Next Block pointer 560 and 570 respectively, such that Path block 550 may also point to a different connection Path of an entirely different inverted tree (e.g. 572).   In addition, each of the TCP blocks 540, 545, and 555 have Next Block Pointers 547, 562 and 572 that may point to another TCP block in the same inverted tree (e.g., 547), or may indicate that there are no more blocks in the [[this]] tree (e.g. 562 and 572).   These pointers are not, however, static.   That is, the links may change such as if a route for a path changes, it may change the next neighbor to a different route.   In that case, for example, Path block 550 might change the neighbor state entry it uses from Neighbor Entry 1 530 to some other neighbor, (e.g. Neighbor Entry 2 (not shown)).   Accordingly, the use of a block list enables multiple connections, paths, and neighbor entries to be offloaded or terminated in a single program call.

Please replace paragraph [00142] with the following amended paragraph:

[00142] With reference to Figure 11, an exemplary system for implementing the invention includes a general-purpose computing device in the form of a conventional computer [[1120]] 1110, including a processing unit [[1121]] 1120, a system memory [[1122]] 1130, and a system bus [[1123]] 1121 that couples various system components including the system memory [[1122]] 1130 to the processing unit [[1121]] 1120.   The system bus [[1123]] 1121 may be any of several types of bus structures including a memory bus or memory controller, a peripheral bus, and a local bus using any of a variety of bus architectures.   The system memory includes read only memory (ROM) 1124 and random access memory (RAM) 1125.   A basic input/output system (BIOS) [[1126]] 1133, containing the basic routines that help transfer information between elements within the computer [[1120]] 1110, such as during start-up, may be stored in ROM 1124.

Please replace paragraph [00143] with the following amended paragraph:

[00143] The computer [[1120]] 1110 may also include a magnetic hard disk drive [[1127]] 1141 for reading from and writing to a magnetic hard disk [[1139]] (not shown), a magnetic disk drive [[1128]] 1151 for reading from or writing to a removable magnetic disk 1129, and an optical disc drive [[1130]] 1155 for reading from or writing to removable optical disc 1131 such as a CD ROM or other optical media. The magnetic hard disk drive [[1127]] 1141, magnetic disk drive [[1128]] 1151, and optical disc drive [[1130]] 1155 are connected to the system bus [[1123]] 1121 by a ~~hard disk drive~~-non-removable non-volatile memory interface [[1132]] 1140, and a ~~magnetic disk drive interface~~-removable non-volatile memory interface [[1133]] 1150, ~~and an optical drive interface 1134,~~ respectively. The drives and their associated computer-readable media provide non-volatile storage of computer-executable instructions, data structures, program modules and other data for the computer [[1120]] 1110. Although the exemplary environment described herein employs a magnetic hard disk [[1139]], a removable magnetic disk 1129 and a removable optical disc 1131, other types of computer readable media for storing data can be used, including magnetic cassettes, flash memory cards, digital versatile disks, Bernoulli cartridges, RAMs, ROMs, and the like.

Please replace paragraph [00144] with the following amended paragraph:

[00144] Program code means comprising one or more program modules may be stored on the hard disk [[1139]], magnetic disk 1129, optical disc 1131, ROM 1124 or RAM 1125, including an operating system [[1135]] 1134, one or more application programs [[1136]] 1135, other program modules [[1137]] 1136, and program data [[1138]] 1137. A user may enter commands and information into the computer [[1120]] 1110 through keyboard [[1140]] 1162, pointing device [[1142]] 1161, or other input devices (not shown), such as a microphone, joy stick, game pad, satellite dish, scanner, or the like. These and other input devices are often connected to the processing unit [[1121]] 1120 through an interface [[1146]] 1160 coupled to system bus [[1123]] 1121. Alternatively, the input devices may be connected by other interfaces, such as a parallel port, a game port or a universal serial bus (USB). A monitor [[1147]] 1191 or another display device is also connected to system bus [[1123]] 1121 via an interface, such as video adapter [[1148]] 1190. In addition to the monitor, personal computers typically include other peripheral output devices (not shown), such as speakers and printers.

Please replace paragraph [00145] with the following amended paragraph:

[00145] The computer [[1120]] 1110 may operate in a networked environment using logical connections to one or more remote computers, such as remote [[computers 1149a and 1149b]] computer 1180. Remote [[computers 1149a and 1149b]] computer 1180 may [[each]] be another personal computer, a server, a router, a network PC, a peer device or other common network node, and typically include many or all of the elements described above relative to the computer [[1120]] 1110, although only memory storage [[devices 1150a and 1150b]] device 1181 and [[their]] its associated application [[programs 1136a and 1136b have]] program 185 has been illustrated in Figure 11. The logical connections depicted in Figure 11 include a local area network (LAN) [[1151]] 1171 and a wide area network (WAN) [[1152]] 1172 that are presented here by way of example and not limitation. Such networking environments are commonplace in office-wide or enterprise-wide computer networks, intranets and the Internet.

Please replace paragraph [00146] with the following amended paragraph:

[00146] When used in a LAN networking environment, the computer [[1120]] 1110 is connected to the local network [[1151]] 1171 through a network interface or adapter [[1153]] 1170. When used in a WAN networking environment, the computer [[1120]] 1110 may include a modem [[1154]] 1172, a wireless link, or other means for establishing communications over the wide area network [[1152]] 1173, such as the Internet. The modem [[1154]] 1172, which may be internal or external, is connected to the system bus [[1123]] 1121 via the serial port interface [[1146]] 1160. In a networked environment, program modules depicted relative to the computer [[1120]] 1110, or portions thereof, may be stored in the remote memory storage device. It will be appreciated that the network connections shown are exemplary and other means of establishing communications over wide area network [[1152]] 1173 may be used.